

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Patent Appln. No. 09/813,348

rotating speed of the 3-phase alternator 1 detected by a rotating speed detector 13, and that an output of the 3-phase alternator 1 is suppressed by detecting a temperature of the field coil 3.

**IN THE CLAIMS:**

**Please enter the following amended claims:**

5. (Twice Amended) The electrical power supply system for the automotive vehicle according to claim 1, wherein said voltage control means controls said current of said field coil based on a detected temperature of said field coil.

6. (Amended) The electrical power supply system for the automotive vehicle according to claim 1, wherein said voltage control means controls said current of said field coil based on a temperature of said field coil inferred from said field current of said field coil.